

Section 5. Route and NAVAID Description

2-5-1. AIRWAYS AND ROUTES

Describe airways, routes, or jet routes as follows:

a. VOR/VORTAC/TACAN airways or jet routes. State the word "Victor" or the letter "J" followed by the number of the airway or route in group form. For RNAV routes add the word "Romeo."

EXAMPLE-

"Victor Twelve."

"J Five Thirty-Three."

"Victor Seven Ten Romeo."

"J Eight Thirty Romeo."

"Offset One Zero miles right of J Eight Thirty Romeo."

b. VOR/VORTAC/TACAN alternate airways. State the word "Victor" followed by the number of the airway in group form and the alternate direction.

EXAMPLE-

"Victor Twelve South."

c. Colored/L/MF airways. State the color of the airway followed by the number in group form.

EXAMPLE-

"Blue Eighty-One."

d. Named Routes. State the words "North American Route" or "Bahama Route" followed by the number of the route in group form.

EXAMPLE-

"North American Route Sixty-Seven Bravo"

"Bahama Route Fifty-Five Victor."

e. Air Traffic Service (ATS) routes. State the letter(s) of the route phonetically, followed by the number of the route in group form.

EXAMPLE-

"Romeo Twenty."

"Alfa Fifty."

"Golf Sixty-one."

"Alfa Seven Hundred."

f. Military Training Routes (MTR's). State the letters "I-R" or "V-R" followed by the number of the route in group form.

EXAMPLE-

"I-R Five Thirty-one"

"V-R Fifty-two"

2-5-2. NAVAID TERMS

Describe radials, arcs, courses, bearings, and quadrants of NAVAID's as follows:

a. VOR/VORTAC/TACAN/MLS/GPS Waypoint. State the name of the NAVAID or GPS Waypoint followed by the separate digits of the radial/azimuth/bearing (omitting the word "degrees") and the word "radial/azimuth/bearing."

EXAMPLE-

"Appleton Zero Five Zero Radial."

"Lindburg Runway Two Seven M-L-S, Two Six Zero Azimuth."

b. Arcs about VOR-DME/VORTAC/TACAN/MLS NAVAID's. State the distance in miles from the NAVAID followed by the words "mile arc," the direction from the NAVAID in terms of the eight principal points of the compass, the word "of," and the name of the NAVAID.

EXAMPLE-

"Two Zero mile arc southwest of O'Hare Runway Two Seven Left M-L-S."

c. Quadrant within a radius of NAVAID. State direction from NAVAID in terms of the quadrant; e.g., NE, SE, SW, NW, followed by the distance in miles from the NAVAID.

EXAMPLE-

"Cleared to fly northeast quadrant of Phillipsburg VORTAC within Four Zero mile radius."

REFERENCE-

FAAO 7110.65, Route Use, Para 4-4-1.

P/CG Term- Quadrant.

d. Nondirectional beacons. State the course to or the bearing from the radio beacon, omitting the word "degree," followed by the words "course to" or "bearing from," the name of the radio beacon, and the words "radio beacon."

EXAMPLE-

"Three Four Zero bearing from Randolph Radio Beacon."

e. MLS. State the azimuth to or azimuth from the MLS, omitting the word "degree" followed by the words "azimuth to" or "azimuth from," the name of the MLS, and the term MLS.

EXAMPLE-

"Two Six Zero azimuth to Linburgh Runway Two Seven MLS."

2-5-3. NAVAID FIXES

Describe fixes determined by reference to a radial/localizer/azimuth and distance from a VOR-DME/VORTAC/TACAN/ILS-DME or MLS as follows:

a. When a fix is not named, state the name of the NAVAID followed by a specified radial /localizer/azimuth, and state the distance in miles followed by the phrase "mile fix."

EXAMPLE-

"Appleton Zero Five Zero radial Three Seven mile fix."

"Reno localizer back course Four mile fix."

"Hobby Runway One Two M-L-S Zero Niner Zero azimuth One Two mile fix."

b. When a fix is charted on a DP, STAR, en route chart, or approach plate, state the name of the fix.

c. Use specific terms to describe a fix. Do not use expressions such as "passing Victor Twelve" or "passing J Eleven."